

IN THE SPECIFICATION

Replace the paragraph on page 16, lines 1-11 with the following:

As a specific example, Fig. 8 shows a block diagram illustrating a pulse position modulation discriminator architecture 800 in accordance with an embodiment of the present invention. As an example, architecture 800 represents an exemplary implementation for optical pulse discriminator 14 (Fig. 10). Architecture 800 includes optical amplifiers 106, dispersive elements 804, an optical nonlinearity device 806, a demultiplexer 808 (e.g., similar to demultiplexer 112 of Fig. 1), filters 114, photodetectors 116, and a discriminating circuit 810 (e.g., similar to discriminating circuit 118 of Fig. 1).

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Replace the paragraph on page 18, lines 10-17 with the following:

As an example, Fig. 9 shows a diagram illustrating a pulse position modulation optical signal generator architecture 900 in accordance with an embodiment of the present invention. As an example, architecture 900 represents an exemplary implementation for optical pulse generator 12 (Fig. 10). In general, architecture 900 employs a waveguide 902 and a fiber optic circulator 930 to provide light pulses 931b having a desired amount of delay relative to received light pulses 931a.

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